

SEQUENCE LISTING

<110> Reed, John C.  
Okada, Kazuya

<120> Survivin-Binding Proteins, Encoding  
Nucleic Acids, and Methods of Use

<130> P-LJ 5144

<150> US 09/770,219

<151> 2001-01-25

<160> 14

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 645

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (145)...(642)

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acgagccgcg cgccatcttg gtcctcgatc gtgcgtgagg aggcttcgtg ggcagcgcaga 120  
gtcacagaca agacagcaag cagg atg gag cac tac cgg aaa gct ggc tct 171  
Met Glu His Tyr Arg Lys Ala Gly Ser  
1 5

gta gag ctc cca gcg cct tcc cca atg ccc cag cta cct cct gat acc 219  
Val Glu Leu Pro Ala Pro Ser Pro Met Pro Gln Leu Pro Pro Asp Thr  
10 15 20 25

ctt gag atg cgg gtc cga gat ggc agc aaa att cgc aac ctg ctg ggg 267  
Leu Glu Met Arg Val Arg Asp Gly Ser Lys Ile Arg Asn Leu Leu Gly  
30 35 40

ttg gct ctg ggt cgg ttg gag ggc ggc agt gct cgg cat gta gtg ttc 315  
Leu Ala Leu Gly Arg Leu Glu Gly Gly Ser Ala Arg His Val Val Phe  
45 50 55

tca ggt tct ggc agg gct gca gga aag gct gtc agc tgc gct gag att 363  
Ser Gly Ser Gly Arg Ala Ala Gly Lys Ala Val Ser Cys Ala Glu Ile  
60 65 70

gtc aag cgg cgg gtc cca ggc ctg cac cag ctc acc aag cta cgt ttc 411  
Val Lys Arg Arg Val Pro Gly Leu His Gln Leu Thr Lys Leu Arg Phe

Sequence Listing

75	80	85	
ctt cag act gag gac agc tgg gtc cca gcc tca cct gac aca ggg cta			459
Leu Gln Thr Glu Asp Ser Trp Val Pro Ala Ser Pro Asp Thr Gly Leu			
90	95	100	105
gac ccc ctc aca gtg cgc cgc cat gtg cct gca gtg tgg gtg ctg ctc			507
Asp Pro Leu Thr Val Arg Arg His Val Pro Ala Val Trp Val Leu Leu			
	110	115	120
agc cgg gac ccc ctg gac ccc aat gag tgt ggt tac caa ccc cca gga			555
Ser Arg Asp Pro Leu Asp Pro Asn Glu Cys Gly Tyr Gln Pro Pro Gly			
	125	130	135
gca ccc cct ggc ctg ggt tcc atg ccc agc tcc agc tgt ggc cct cgt			603
Ala Pro Pro Gly Leu Gly Ser Met Pro Ser Ser Ser Cys Gly Pro Arg			
	140	145	150
tcc cga aga agg ctc gag aca ccc gat cgt gaa gac ttg tga			645
Ser Arg Arg Arg Leu Glu Thr Pro Asp Arg Glu Asp Leu			
	155	160	165

<210> 2  
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 <212> PRT  
 <213> Homo sapiens

<400> 2

Met Glu His Tyr Arg Lys Ala Gly Ser Val Glu Leu Pro Ala Pro Ser			
1	5	10	15
Pro Met Pro Gln Leu Pro Pro Asp Thr Leu Glu Met Arg Val Arg Asp			
	20	25	30
Gly Ser Lys Ile Arg Asn Leu Leu Gly Leu Ala Leu Gly Arg Leu Glu			
	35	40	45
Gly Gly Ser Ala Arg His Val Val Phe Ser Gly Ser Gly Arg Ala Ala			
	50	55	60
Gly Lys Ala Val Ser Cys Ala Glu Ile Val Lys Arg Arg Val Pro Gly			
65	70	75	80
Leu His Gln Leu Thr Lys Leu Arg Phe Leu Gln Thr Glu Asp Ser Trp			
	85	90	95
Val Pro Ala Ser Pro Asp Thr Gly Leu Asp Pro Leu Thr Val Arg Arg			
	100	105	110
His Val Pro Ala Val Trp Val Leu Ser Arg Asp Pro Leu Asp Pro			
	115	120	125
Asn Glu Cys Gly Tyr Gln Pro Pro Gly Ala Pro Pro Gly Leu Gly Ser			
	130	135	140
Met Pro Ser Ser Ser Cys Gly Pro Arg Ser Arg Arg Leu Glu Thr			
145	150	155	160
Pro Asp Arg Glu Asp Leu			
	165		

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<210> 3  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<400> 3  
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 Val Gln Gln Ser Gln Gly Trp Val His Tyr Met Ile His Glu Pro Glu  
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 Pro His Ile Leu Leu Phe Arg Arg Pro  
 35 40

<210> 4  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<400> 4  
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 1 5 10 15  
 Val Gln Gln Ser Leu Gly Trp Val His Tyr Met Ile His Glu Pro Glu  
 20 25 30  
 Pro His Ile Leu Leu Phe Arg Arg Pro  
 35 40

<210> 5  
 <211> 41  
 <212> PRT  
 <213> Drosophila melanogaster

<400> 5  
 Val Pro Lys Thr His Leu Met Thr Glu Ala Glu Trp Arg Ser Ile Gly  
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 20 25 30  
 Pro His Ile Leu Leu Phe Arg Arg Pro  
 35 40

<210> 6  
 <211> 41  
 <212> PRT  
 <213> Saccharomyces cerevisiae

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 1 5 10 15  
 Ile Thr Gln Ser Leu Gly Trp Glu His Tyr Glu Cys His Ala Pro Glu  
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 Pro His Ile Leu Leu Phe Lys Arg Pro

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35

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<210> 7  
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<212> DNA  
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<220>  
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<212> DNA  
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<220>  
<223> primer

<400> 8  
atccgctccg gttcgcagg

19

<210> 9  
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<212> DNA  
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<220>  
<223> primer

<400> 9  
cctgcgaacc ggagcggat

19

<210> 10  
<211> 33  
<212> DNA  
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<220>  
<223> primer

<400> 10  
gagctcgagt taatccatgg cagccagctg etc

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<212> DNA  
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<223> primer

<400> 11

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27

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<211> 36

<212> DNA

<213> Artificial Sequence

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<223> primer

<400> 12

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36

<210> 13

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1)...(489)

<400> 13

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1				5				10					15			

cca	atg	ccc	cag	cta	cct	cct	gat	acc	ctt	gag	atg	cgg	gtc	cga	gat	96
Pro	Met	Pro	Gln	Leu	Pro	Pro	Asp	Thr	Leu	Glu	Met	Arg	Val	Arg	Asp	
			20					25					30			

ggc	agc	aaa	att	cgc	aac	ctg	ctg	ggg	ttg	gct	ctg	ggt	cgg	ttg	gag	144
Gly	Ser	Lys	Ile	Arg	Asn	Leu	Leu	Gly	Leu	Ala	Leu	Gly	Arg	Leu	Glu	
		35				40						45				

ggc	ggc	agt	gct	cgg	cat	gta	gtg	ttc	tca	ggt	tct	ggc	agg	gct	gca	192
Gly	Gly	Ser	Ala	Arg	His	Val	Val	Phe	Ser	Gly	Ser	Gly	Arg	Ala	Ala	
		50				55				60						

gga	aag	gct	gtc	agc	tgc	gct	gag	att	gtc	aag	cgg	cgg	gtc	cca	ggc	240
Gly	Lys	Ala	Val	Ser	Cys	Ala	Glu	Ile	Val	Lys	Arg	Arg	Val	Pro	Gly	
65					70					75					80	

ctg	cac	cag	ctc	acc	aag	cta	cgt	ttc	ctt	cag	act	gag	gac	agc	tg	288
Leu	His	Gln	Leu	Thr	Lys	Leu	Arg	Phe	Leu	Gln	Thr	Glu	Asp	Ser	Trp	
				85				90						95		

gtc	cca	gcc	tca	cct	gac	aca	ggg	cta	gac	ccc	ctc	aca	gtg	cgc	cgc	336
Val	Pro	Ala	Ser	Pro	Asp	Thr	Gly	Leu	Asp	Pro	Leu	Thr	Val	Arg	Arg	
			100				105						110			

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cat gtg cct gca gtg tgg gtg ctg ctc agc cgg gac ccc ctg gac ccc 384
His Val Pro Ala Val Trp Val Leu Leu Ser Arg Asp Pro Leu Asp Pro
      115                120                125

aat gag tgt ggt tac caa ccc cca gga gca ccc cct ggc ctg ggt tcc 432
Asn Glu Cys Gly Tyr Gln Pro Pro Gly Ala Pro Pro Gly Leu Gly Ser
      130                135                140

atg ccc agc tcc agc tgt ggc cct cgt tcc cga aga agg gct cga gac 480
Met Pro Ser Ser Ser Cys Gly Pro Arg Ser Arg Arg Arg Ala Arg Asp
      145                150                155                160

acc cga tcg tga 492
Thr Arg Ser

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<210> 14
<211> 163
<212> PRT
<213> Homo sapiens

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<400> 14
Met Glu His Tyr Arg Lys Ala Gly Ser Val Glu Leu Pro Ala Pro Ser
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Pro Met Pro Gln Leu Pro Pro Asp Thr Leu Glu Met Arg Val Arg Asp
      20      25      30
Gly Ser Lys Ile Arg Asn Leu Leu Gly Leu Ala Leu Gly Arg Leu Glu
      35      40      45
Gly Gly Ser Ala Arg His Val Val Phe Ser Gly Ser Gly Arg Ala Ala
      50      55      60
Gly Lys Ala Val Ser Cys Ala Glu Ile Val Lys Arg Arg Val Pro Gly
      65      70      75      80
Leu His Gln Leu Thr Lys Leu Arg Phe Leu Gln Thr Glu Asp Ser Trp
      85      90      95
Val Pro Ala Ser Pro Asp Thr Gly Leu Asp Pro Leu Thr Val Arg Arg
      100     105     110
His Val Pro Ala Val Trp Val Leu Leu Ser Arg Asp Pro Leu Asp Pro
      115     120     125
Asn Glu Cys Gly Tyr Gln Pro Pro Gly Ala Pro Pro Gly Leu Gly Ser
      130     135     140
Met Pro Ser Ser Ser Cys Gly Pro Arg Ser Arg Arg Arg Ala Arg Asp
      145     150     155     160
Thr Arg Ser

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